

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 105193.05		APPLICATION NO. Rule 53(b) Divisional of 10/208,033 filed July 31, 2002	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANT(S) Hideki KOMATSUDA			
				FILING DATE October 20, 2003		GROUP	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
		4,682,885	07-1987	Torigoe		
		5,315,629	05-1994	Jewell et al.		
		5,703,675	12-1997	Hirukawa et al.		
		5,737,137	04-1998	Cohen et al.		
		6,249,382 B1	06-2001	Komatsuda		
		6,281,967 B1	08-2001	Kudo		
		6,295,122 B1	09-2001	Schultz et al.		
		6,480,262 B1	11-2002	Tanaka et al.		
		2001/0012101 A1	08-2001	Mulkens		
		2001/0043408 A1	11-2001	Wangler et al.		
		5,896,438	04-1999	Miyake et al.		
		5,920,380	07-1999	Sweatt		
		5,534,970	07-1996	Nakashima et al.		

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
		JP-A-60-232552	11-1985	Japan (with abstract)		
		JP-A-62-2540	01-1987	Japan (with translation)		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						

EXAMINER	DATE CONSIDERED 3/26/04
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Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
	5,669,708	09-1997	Mashima et al.			
	5,677,939	10-1997	Oshino			
	4,734,829	03-1988	Wu et al.			
	5,512,759	04-1996	Sweatt			
	5,098,184	03-1992	van den Brandt et al.			
	6,195,201 B1	02-2001	Koch et al.			
	6,198,793 B1	03-2001	Schultz et al.			
	3,267,802	08-1966	M.L. Noble			
	5,245,384	09-1993	Mori			

FOREIGN PATENT DOCUMENTS						
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS		
EP 1 024 408 A2	08-2000	Europe				
EP 0 744 641 A2	11-1996	Europe				
JP-A-5-100097	04-1993	Japan (with abstract)				
JP-A-56-81813	07-1981	Japan (with abstract)				
JP-A-9-326352	12-1997	Japan (with abstract)				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
<i>DA</i>	3,296,923	01-1967	J.R. Miles		
	5,684,566	11-1997	Stanton		
	5,594,526	01-1997	Mori et al.		
	5,760,963	06-1998	Mori		
	5,739,899	04-1998	Nishi et al.		
	3,941,475	03-1976	Sheets		
	2,991,691	07-1961	H. Schering		
	3,555,987	01-1971	I. Browning		
	1,333,304	02-1920	H.P. Page		
	1,342,894	06-1920	L.W. Bugbee		
<i>DA</i>	1,633,228	06-1927	E.C. Rogers		

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
741,246	11-1955	Great Britain		
818,229	08-1959	Great Britain		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
DA		1,762,932	06-1930	J. Mihalyi		
		2,183,249	12-1939	H. Schering et al.		
		2,186,123	01-1940	K. Rantsch et al.		
		2,195,184	03-1940	R.G. Mobarry		
		2,202,061	05-1940	R.G. Mobarry et al.		
		2,238,008	04-1941	E.W. Beck et al.		
		2,270,517	01-1942	A. Drucker		
		2,326,970	08-1943	K. Rantsch		
		2,552,185	05-1951	G.J. Koch		
		2,803,163	08-1957	H. Ulfers		
DA		3,166,625	01-1965	C.H. Brumley		

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						

EXAMINER [Signature]	DATE CONSIDERED 3/26/04
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
<i>DAV</i>	6,231,198 B1	05-2001	Foo		
	4,475,027	10-1984	Pressley		
	4,497,015	01-1985	Konno et al.		
	4,701,023	10-1987	Hager et al.		
	4,769,750	09-1988	Matsumoto et al.		
	4,884,869	12-1989	Uemura		
	5,237,367	08-1993	Kudo		
	5,440,423	08-1995	Ogura		
	5,459,547	10-1995	Shiozawa		
<i>DAV</i>	2,225,485	12-1940	K. Rantsch		

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	5,339,346	08-1994	White			
	5,361,292	11-1994	Sweatt			
	5,815,310	09-1998	Williamson			
	5,581,605	12-1996	Murakami et al.			
	5,894,341	04-1999	Nishi et al.			
	5,891,806	04-1999	Shibuya et al.			
	5,864,388	01-1999	Shima et al.			
	5,724,122	03-1998	Oskotsky			
	5,631,721	05-1997	Stanton et al.			
	4,931,830	06-1990	Suwa et al.			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)	
	JOURNAL OF THE OPTICAL SOCIETY OF AMERICA, vol. 62, no. 12, December 1972, "Formulation of a Reflector-Design Problem for a Lighting Fixture", J.S. SCHRUBEN, pages 1498-1501.
	"Computer-Aided Optical Design of Illuminating and Irradiating Devices", O. KUSCH, ASLAN Publishing House, Moscow 1993, Chapter 3, pp. 145-173.
	APPLIED OPTICS, vol. 35, no. 10, April 1996, "Tailored reflectors for illumination", D. JENKINS et al., pages 1669-1672.

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